

IN THE CLAIMS:

The status of each claim that has been introduced in the above-referenced application is identified in the ensuing listing of the claims. This listing of the claims replaces all previously submitted claims listings.

1. (Currently amended) A stereolithography apparatus, comprising:
a fabrication chamber in which a volume of liquid material consisting essentially of a consolidatable fabrication material is contained; and
a bubble elimination system associated with the fabrication chamber and configured to facilitate removal of gas bubbles from the volume of liquid material.
2. (Original) The stereolithography apparatus of claim 1, wherein the bubble elimination system causes the liquid material to vibrate.
3. (Original) The stereolithography apparatus of claim 2, wherein the bubble elimination system is associated with a wall of the fabrication chamber.
4. (Original) The stereolithography apparatus of claim 2, wherein the bubble elimination system is associated with a structure located at least partially within the fabrication chamber.
5. (Original) The stereolithography apparatus of claim 4, wherein the structure located at least partially within the fabrication chamber comprises a fabrication support.
6. (Original) The stereolithography apparatus of claim 2, wherein the bubble elimination system comprises an ultrasonic transducer.

7. (Original) The stereolithography apparatus of claim 6, wherein the ultrasonic transducer comprises a piezoelectric transducer.

8. (Original) The stereolithography apparatus of claim 1, further comprising: a negative pressure source for applying a negative pressure to a surface of the volume of liquid material.

9. (Previously Presented) The stereolithography apparatus of claim 8, wherein the negative pressure source is configured to apply negative pressure sufficient for removing gas bubbles at or near the surface.

10-20 (Canceled)